



Sequence Comparison T3



SEQID NO:7

RESULT 5
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 LOCUS HSU12569 1473 bp mRNA PRI 12-APR-1995
 DEFINITION Human mu opioid receptor variant (MOR1) mRNA, complete cds.
 ACCESSION U12569
 VERSION U12569.1 GI:607911
 KEYWORDS .
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 1473)
 AUTHORS Bare,L.A., Mansson,E. and Yang,D.
 TITLE Expression of two variants of the human mu opioid receptor mRNA
 in SK-N-SH cells and human brain
 JOURNAL FEBS Lett. 354 (2), 213-216 (1994)
 MEDLINE 95046336
 REFERENCE 2 (bases 1 to 1360)
 AUTHORS Wang,J.B., Johnson,P.S., Persico,A.M., Hawkins,A.L., Griffin,C.A.
 and Uhl,G.R.
 TITLE Human mu opiate receptor. cDNA and genomic clones, pharmacologic
 characterization and chromosomal assignment
 JOURNAL FEBS Lett. 338 (2), 217-222 (1994) Jan
 MEDLINE 94139928
 REFERENCE 3 (bases 1 to 1473)
 AUTHORS Bare,L.A.
 TITLE Direct Submission
 JOURNAL Submitted (24-JUL-1994) Lance A. Bare, Ohmeda, PPD, 100 Mountain
 Avenue, Murray Hill, NJ 07974, USA
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RESULT 1
 I56553

Sequence Comparison SEQ ID NO: 8

mu opiate receptor - human
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 C;Species: Homo sapiens (man)
 C;Date: 02-Jul-1996 #sequence_revision 02-Jul-1996 #text_change 19-May-2000
 C;Accession: I56553; A38991; S41075; S51215
 R;Mestek, A.; Hurley, J.H.; Bye, L.S.; Campbell, A.D.; Chen, Y.; Tian, M.;
 Liu, J.; Schulman, H.; Yu, L.
 J. Neurosci. 15, 2396-2406, 1995
 A;Title: The human mu opioid receptor: modulation of functional
 desensitization by calcium/calmodulin-dependent protein kinase and protein
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 Uhl, G.R.
 submitted to GenBank, August 1994
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 R;Wang, J.B.; Johnson, P.S.; Persico, A.M.; Hawkins, A.L.; Griffin, C.A.;
 Uhl, G.R.
 FEBS Lett. 338, 217-222, 1994
 A;Title: Human mu opiate receptor. cDNA and genomic clones, pharmacologic
 characterization and chromosomal assignment.
 A;Reference number: S41075; MUID:94139928
 A;Accession: S41075
 A;Status: nucleic acid sequence not shown
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R;Bare, L.A.; Mansson, E.; Yang, D.

FEBS Lett. 354, 213-216, 1994

A;Title: Expression of two variants of the human mu opioid receptor mRNA in SK-N-SH cells and human brain.

A;Reference number: S51215; MUID:95046336

A;Accession: S51215

A;Status: preliminary

A;Molecule type: mRNA

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A;Cross-references: GDB:137216; OMIM:600018

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C;Keywords: G protein-coupled receptor; glycoprotein; transmembrane protein

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F;283-304/Domain: transmembrane #status predicted <TMM6>

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Matches 400; Conservative 0; Mismatches 0; Indels 0; Gaps

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SEQ ID NO:2

Sequence

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LOCUS RATMORA 1586 bp mRNA ROD 04-AUG-1993
 DEFINITION Rattus norvegicus mu opioid receptor mRNA, complete cds.
 ACCESSION L13069
 VERSION L13069.1 GI:348250
 KEYWORDS mu opioid receptor.
 SOURCE Rattus norvegicus Whole brain cDNA to mRNA.
 ORGANISM Rattus norvegicus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae;
 Rattus.
 REFERENCE 1 (bases 1 to 1586)
 AUTHORS Chen, Y., Mestek, A., Liu, J., Hurley, J.A. and Yu, L.
 TITLE Molecular cloning and functional expression of a mu-opioid
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 from rat brain
 JOURNAL Mol. Pharmacol. 44, 8-12 (1993) July
 MEDLINE 93341493
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 Percent Similarity: 100.000 Percent Identity: 100.000

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Sequence Comparison

SEQ ID NO:4

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LOCUS RATMORA 1586 bp mRNA ROD 04-AUG-1993
DEFINITION Rattus norvegicus mu opioid receptor mRNA, complete cds.
ACCESSION L13069
VERSION L13069.1 GI:348250
KEYWORDS mu opioid receptor.
SOURCE Rattus norvegicus Whole brain cDNA to mRNA.
ORGANISM Rattus norvegicus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae;
Rattus.
REFERENCE 1 (bases 1 to 1586)
AUTHORS Chen,Y., Mestek,A., Liu,J., Hurley,J.A. and Yu,L.
TITLE Molecular cloning and functional expression of a mu-opioid
receptor
from rat brain
JOURNAL Mol. Pharmacol. 44, 8-12 (1993)
MEDLINE 93341493

FEATURES Location/Qualifiers
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ORIGIN

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Percent Similarity: 100.000 Percent Identity: 100.000

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